

CLAIMS

1. A mop comprising:
 - a handle;
 - a mounting head that is connected to the handle;
 - a mop element on the mounting head;
 - a scrubber held to the mounting head by (a) an engagement between a first wall and an aperture, and (b) an engagement with a second wall; and (c) a ridge on the first wall extending in one direction on a line between the two walls.
2. A mop as recited in claim 1, in which the scrubber is at least about six inches in length.
3. A mop as recited in claim 1, in which the aperture has a linear side and the walls have parallel lengths.
4. A mop as recited in claim 1, in which the walls have parallel lengths that extend perpendicularly to the line between the walls.
5. A mop as recited in claim 1, in which the walls are spaced at least about two inches apart and engage separate apertures.
6. A mop as recited in claim 1, in which the two walls engage a single aperture.
7. A mop as recited in claim 1, in which the walls are integrally molded with scrubber.
8. A mop as recited in claim 1, in which the walls extend from a plane and the scrubber has a scrubber face that is disposed at about a 60° angle with respect to the plane.

9. A mop as recited in claim 1, in which the walls extend from a plane and the scrubber has a scrubber face that is disposed at about 30° to about 65° angle with respect to the plane.

10. A mop as recited in claim 1, in which the mounting head has both a bottom face on which the mop element is mounted and a mounting face on which the scrubber is mounted, and the bottom face and the mounting face are disposed at about an angle of about 60°.

11. A mop as recited in claim 1, in which the mounting head has both a bottom face on which the mop element is mounted and a mounting face on which the scrubber is mounted, and the bottom face and the mounting face are disposed at about an angle of about 30° to about 65°.

12. A mop as recited in claim 1, in which the mounting head has a mounting face on which the scrubber is mounted, and the mounting face is approximately parallel to the length of the handle.

13. A mop as recited in claim 1, in which the scrubber has a body with two sides angled at approximately 60°.

14. A mop as recited in claim 1, in which the mop element covers the ridges.

15. A mop as recited in claim 1, in which the mop element is removable from the mounting head.

16. A mop as recited in claim 1, and further comprising a ridge on the second wall that extends in an opposite direction to the first ridge.

17. A mop as recited in claim 1, in which:
 - (a) the mop further comprises a ridge on the second wall; the walls engage a single aperture; and
 - (b) the walls are separated by a distance that exceeds the sum of the widths of the ridges.
18. A mop comprising:
 - a handle;
 - a mounting head that is connected to the handle;
 - a mop element on the mounting head;
 - a pair of mounting stems, each mounting stem comprising a first and second wall, a ridge on the first wall extending away from the second wall, and a ridge on the second wall extending away from the first wall; and
 - a scrubber held to the mounting head by engagements between the mounting stems and a pair of apertures.
19. A mop as recited in claim 18, in which the mounting stems are spaced at least about 2 inches apart.
20. A mop as recited in claim 18, in which the distance between the walls of one of the mounting stems exceeds the sum of the widths of the ridges.
21. A mop as recited in claim 18, in which the walls on at least one of the mounting stems are deformable towards each other.

22. A snap assembled mop and scrubber construction comprising in combination:

a mop head element and a separate scrubber element attachable to the mop head element, said mop head element including a body with a handle attachment opening defining an axis,

a scrubber element attachment face generally parallel to the axis defining one side of the mop head element, and a mop attachment face forming an acute angle to the axis and intersecting the scrubber element attachment face at said acute angle; and

at least one scrubber element attachment passage in the mop head element between the faces; and said scrubber element including a mounting face with a projecting fastener for fitting through the attachment passage and including an attachment member for retaining the fastener in the passage with the mounting face against the scrubber element attachment face, said scrubber element further including a brush face extending at an acute angle from the mounting face.

23. The combination of Claim 22 wherein the mop head element includes a sponge attachable to the mop head attachment face to cover the attachment passage and attachment fastener.

24. The combination of Claim 23 wherein the sponge is detachable.

25. The combination of Claim 22 wherein the faces of each element intersect at an angle in the range of 30° to about 65°.

26. The combination of Claim 22 wherein the faces of each element intersect at an angle of about 45°.

27. The combination of Claim 22 wherein the brush face and the mop attachment intersect at about a 90° angle.

28. The combination of Claim 22 wherein the scrubber element has a uniform triangular cross-sectional profile defined by said faces and a third connecting face thereof.

29. The combination of Claim 22 wherein the scrubber element has a triangular cross-section that forms an isosceles triangle.

30. The combination of Claim 22 wherein the fastener of the scrubber element comprises spaced elastic prongs with a projecting rib attachment member.

31. The combination of Claim 22 where in the fastener of the scrubber element comprises first and second spaced fastener members, and said mop head element includes a passage for each fastener to attach the scrubber element to the mop head element.

32. The combination of Claim 22 wherein the mop head includes a handle that is attached to the mop head at the handle attachment opening and defines an axis.

33. The combination of Claim 22 where the mop head includes a wringer plate.